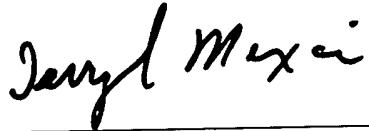


PRELIMINARY AMENDMENT
US Appln. No.: 09/539,412
ATTORNEY DOCKET NO. Q56557

REMARKS

Entry and consideration of this Amendment is respectfully requested.

Respectfully submitted,



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APPENDIX
VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

The claims are amended as follows:

6. A radiation solid-state detector according to ~~any one of claims 1 to 5~~ claim 1,
wherein a charge transporting layer which acts roughly as an insulator for said latent image
charges, and roughly as a conductor for charges opposite in polarity to the latent image charges
is provided between said photoconductive layer for recording and said photoconductive layer for
reading, and the charge transporting layer forms said charge storing section.

7. A radiation solid-state detector according to ~~any one of claims 1 to 5~~ claim 1,
wherein a trap layer for catching said latent image charges is provided between said
photoconductive layer for recording and said photoconductive layer for reading, and the trap
layer forms said charge storing section.

8. A radiation solid-state detector according to ~~any one of claims 1 to 7~~ claim 1,
wherein the electrode constituting said second electrode layer and/or said first conductive
member is a stripe electrode comprising a number of linear electrodes.

9. A radiation solid-state detector according to ~~any one of claims 1 to 7~~ claim 1,
wherein the electrode constituting said second electrode layer and said first conductive member
is a stripe electrode comprising a number of linear electrodes, and
the linear electrodes of said first conductive member are disposed so that they are
opposed to or almost orthogonally intersect the linear electrodes of the electrode constituting said
second electrode layer.

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10. A radiation image recording method which projects radiation onto the radiation solid-state detector according to ~~any one of claims 1 to 9~~claim 1 to store the charges of the quantity corresponding to the dose of the projected radiation in the charge storing section of said radiation solid-state detector as latent image charges for recording of radiation image information as a static latent image in said charge storing section,

wherein a control voltage to adjust the electric field formed between both electrode layers by a DC voltage applied across the first electrode layer and the second electrode layer in said radiation solid-state detector is applied to said first conductive member.

11. A radiation image reading method which, from the radiation solid-state detector according to ~~any one of claims 1 to 9~~claim 1 in which radiation image information has been recorded as a static latent image, reads out said radiation image information, wherein the charges corresponding to the latent image charges stored in the charge storing section of said radiation solid-state detector are read out through said first conductive member to provide an electric signal at a level corresponding to the quantity of said latent image charges.

12. A radiation image recording device which projects radiation onto the radiation solid-state detector according to ~~any one of claims 1 to 9~~claim 1 to store the charges of the quantity corresponding to the dose of the projected radiation in the charge storing section of said radiation solid-state detector as latent image charges for recording of radiation image information as a static latent image in said charge storing section, comprising:

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voltage application means which applies a DC voltage across the first electrode layer and the second electrode layer in said radiation solid-state detector, and

control voltage application means for applying, to said first conductive member, a control voltage to adjust the electric field formed between both electrode layers by a DC voltage applied by said voltage application means.

13. A radiation image reading device which, from the radiation solid-state detector according to ~~any one of claims 1 to 9~~claim 1 in which radiation image information has been recorded as a static latent image, reads out said radiation image information, comprising:

image signal acquisition means which, by reading out the charges corresponding to the latent image charges stored in the charge storing section of said radiation solid-state detector through said first conductive member, provides an electric signal at a level corresponding to the quantity of said latent image charges.